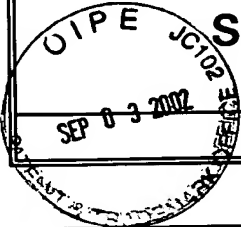


INFORMATION DISCLOSURE STATEMENT



SHEET 1 OF 3

Full

Complete if known

Application Number: 09/736,632

Filing Date: December 14, 2000

First Named Inventor: Matthew John Baker

Group Art Unit: 1636

Examiner Name: William O. Sandals, Ph.D.

Attorney Docket Number: 0380-P02470US1

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UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR
<i>CS</i>	A1	4,843,012	06/27/1989	DeBonville et al.
<i>CS</i>	A2	4,908,318	03/13/1990	Lerner
<i>CS</i>	A3	5,124,444	06/23/1992	Van Ness et al.
<i>CS</i>	A4	5,128,247	07/07/1992	Koller
<i>CS</i>	A5	5,204,246	04/20/1993	Jhingan
<i>CS</i>	A6	5,334,499	08/02/1994	Burdick et al.
<i>CS</i>	A7	5,508,164	04/16/1996	Kausch et al.
<i>CS</i>	A8	5,596,092	01/21/1997	Schneider
<i>CS</i>	A9	5,612,473	03/18/1997	Wu et al.
<i>CS</i>	A10	5,631,146	05/20/1997	Szostak et al.
<i>CS</i>	A11	5,641,628	06/24/1997	Bianchi
<i>CS</i>	A12	5,654,179	08/05/1997	Lin
<i>CS</i>	A13	5,981,235	11/09/1999	Shultz et al.
<i>CS</i>	A14	5,234,809	08/10/1993	Boom et al.
<i>CS</i>	A15	5,622,822	04/22/1997	Ekeze et al.
<i>CS</i>	A16	6,194,562	02/27/2001	Smith et al.
<i>CS</i>	A17	6,284,470	09/04/2001	Bitner et al.
<i>CS</i>	A18	4,921,805	05/01/1990	Gebeyehu et al.
<i>CS</i>	A19	4,923,978	05/08/1990	McCormick
<i>CS</i>	A20	5,057,426	10/15/1991	Henco et al.
<i>CS</i>	A21	5,660,984	08/26/1997	Davis et al.
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<i>CS</i>	A23	6,270,970	08/07/2001	Smith et al.
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<i>CS</i>	A25	6,342,387	01/29/2002	Hayashizaki
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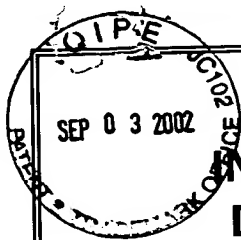
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William O. Sandals

DATE
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SHEET 2 OF 3

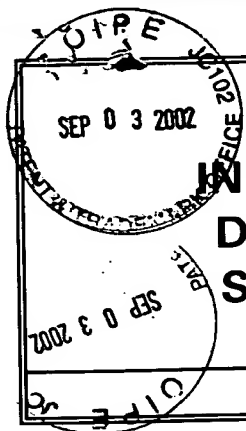
	A27	5,981,735	11/09/1999	Thatcher et al.
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<i>JS</i>	A29	US2002/0025572	02/28/2002 (publd.)	Hayashizaki et al.

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EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
<i>JS</i>	B1	0 301 899	EP	07/29/1988	Life Technol. Inc.
<i>JS</i>	B2	0 338 591	EP	04/21/1989	
<i>JS</i>	B3	0 366 438	EP	10/25/1989	DNA Prep Galway Ltd.
<i>JS</i>	B4	0 707 077	EP	09/14/1995	J&J Clinical Diag. Inc.
<i>JS</i>	B5	0 832 897	EP	09/19/1997	Becton Dickinson & C
<i>JS</i>	B6	0 834 729	EP	09/24/1997	
<i>JS</i>	B7	0 853 123	EP	01/10/1997	
<i>JS</i>	B8	0 897 978	EP	08/19/1998	
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<i>JS</i>	B13	WO 96/08500	WO	03/21/1996	
<i>JS</i>	B14	WO 96/09116	WO	03/28/1996	Massey U.
<i>JS</i>	B15	WO 96/18732	WO	06/20/1996	
<i>JS</i>	B16	WO 96/36706	WO	11/21/1996	
<i>JS</i>	B17	WO 96/41810	WO	12/27/1996	Progen Ind. Inc.
<i>JS</i>	B18	WO 97/10331	WO	03/20/1997	
<i>JS</i>	B19	WO 97/28171	WO	08/07/1997	
<i>JS</i>	B20	WO 97/29825	WO	08/21/1997	
<i>JS</i>	B21	WO 99/22021	WO	05/06/1999	Qiagen GmbH
<i>JS</i>	B22	0 389 063 B1	EP	08/13/1997	Boom et al.

EXAMINER'S SIGNATURE	<i>William Sandals</i>	DATE CONSIDERED	3/17/03
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SHEET 3 OF 3

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Group Art Unit: 1636

Examiner Name: William O. Sandals, Ph.D.

Attorney Docket Number: 0380-PO2470US1

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B23	WO 91/12079	WO	08/22/1991	Amersham International PLC
B24	0 512 767A1	EP	11/11/1992	Becton, Dickinson & Company
B25	0 515 484 B1	EP	12/02/1992	Amersham International PLC
B26	WO 95/13368	WO	05/18/1995	Medinnova SF
B27	WO 00/44928	WO	08/03/2000	Halaka
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B29	WO 00/65041	WO	11/02/2000	Haj-Ahmad
B30	WO 00/69872	WO	11/23/2000	Promega Corporation
B31	WO 00/70040	WO	11/23/2000	Promega Corporation
B32	WO 00/70041	WO	11/23/2000	Promega Corporation
B33	WO 02/10373	WO	02/07/2002	PE Corporation
B34	WO 02/16580	WO	02/28/2002	Bio-Rad Laboratories, Inc.

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	XP-002106739 Abstract of JP 98-210396
	C2	English language abstract of EP 853,123
	C3	SLABY, I. et al. "Rapid Isolation of Homogeneous Cloned T7 Gene 5 Protein and T7 DNA Polymerase by Affinity Chromatography"; Protein Expression and Purification 2: 270-277 (1991)
	C4	LI, F. et al. "Construction and Application of a Prokaryotic Vector which Expresses the Protein that Can be Quickly Purified by IMAC"; Chinese Journal of Biotechnology 13: 37-42 (1995)
	C5	LU, T. et al. "Combined pH gradient and anion-exchange high-performance liquid chromatographic separation of oligodeoxyribonucleotides"; Journal of Chromatography A, 686: 339-343 (1994)
	C6	MILLARD, F. et al. "Fractionation of Mammalian DNA on DEAE-Cellulose"; Journal of Chromatography 107: 125-140 (1975)
	C7	FREIDELDER, D. "Chromatography"; Physical Biochemistry, 2nd Edition, Chapter 8 (1982)
	C8	NATARAJAN, G. et al. "Helix - Coil Transitions in DNA Using a pH Variation Method: Case of a Melting Paradox as a Function of Ionic Strength"; Analytical Biochemistry 237: 152-155 (1996)

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